

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State  
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: NEO-RAY

Report Number: P333449

Luminaire Tested: **S125DIW-S1090D1340U835-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333449  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-11,  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: S125DIW-S1090D1340U835-4F0-1E-UDD-A1  
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE  
DOWNLIGHT 1090 LUMENS PER FOOT, ASYMMETRIC DIFFUSER  
UPLIGHT 1340 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9142.1 lumens  
Efficiency: N/A  
Efficacy: 131.0 lumens/watt  
Spacing Criteria (0/90/45): 1.43 / 1.23 / 1.52  
Luminous Opening: Rectangular (W 4' x L: 0.42' x H: 0')  
CIE Type: General Diffuse

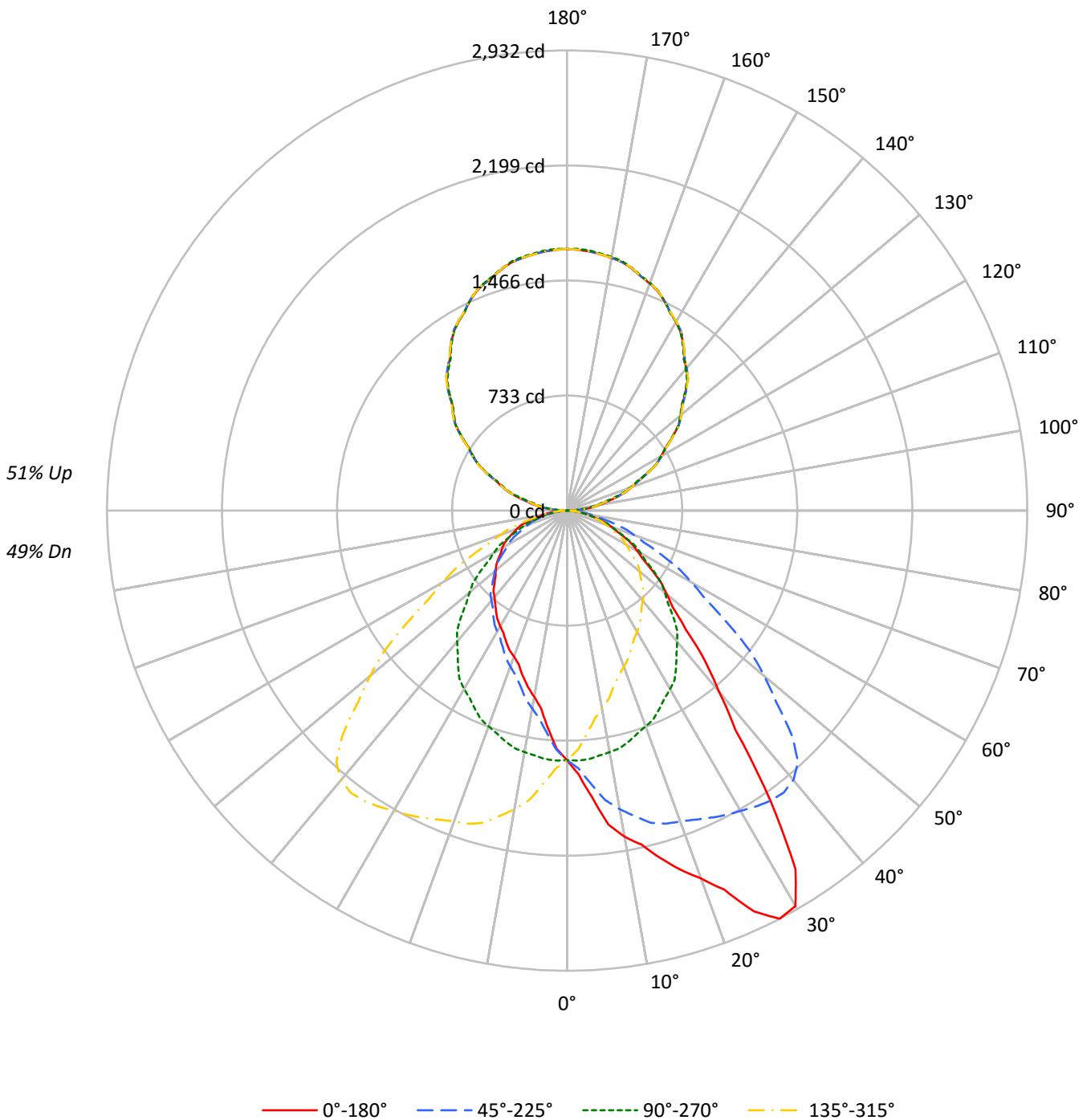
Input Watts (W): 69.8  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20					20					20					20					20					
RC	80					70					50					30					10					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0		
RCR																										
0	107	107	107	107	99	99	99	99	83	83	83	68	68	68	55	55	55	49					49			
1	98	94	90	86	90	86	83	80	73	71	68	61	59	57	49	48	47	42					42			
2	89	82	76	71	82	76	71	66	64	60	57	53	51	48	44	42	40	35					35			
3	81	72	65	59	75	67	61	55	57	52	48	47	44	41	39	36	34	30					30			
4	75	64	56	50	69	59	52	47	50	45	41	42	38	35	35	32	30	26					26			
5	69	57	49	43	63	53	46	41	45	40	36	38	34	31	31	28	26	23					23			
6	63	51	43	37	58	48	40	35	41	35	31	34	30	27	28	25	23	20					20			
7	58	46	38	33	54	43	36	31	37	31	27	31	27	24	26	23	20	18					18			
8	54	42	34	29	50	39	32	27	34	28	24	29	24	21	24	21	18	16					16			
9	50	38	31	26	46	36	29	24	31	25	22	26	22	19	22	19	16	14					14			
10	47	35	28	23	43	33	26	22	28	23	20	24	20	17	20	17	15	13					13			

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	10270	10270	10270	10270
5°	11893	10305	9022	10305
10°	13837	10251	7906	10251
15°	15317	10176	7293	10176
20°	17145	10057	6801	10057
25°	20085	9922	6560	9922
30°	21694	9790	6352	9790
35°	17837	9541	6215	9541
40°	12678	9195	6066	9195
45°	9740	8729	5980	8729
50°	8314	8151	5968	8151
55°	7402	7585	6019	7585
60°	6678	6966	6173	6966
65°	6168	6343	6333	6343
70°	5608	5697	6424	5697
75°	4951	5018	6366	5018
80°	4166	4091	5824	4091
85°	3298	2949	4698	2949



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	153.1	1.7
10°-20°	455.8	5.0
20°-30°	740.1	8.1
30°-40°	902.8	9.9
40°-50°	821.3	9.0
50°-60°	654.2	7.2
60°-70°	455.6	5.0
70°-80°	243.0	2.7
80°-90°	65.0	0.7
90°-100°	111.6	1.2
100°-110°	329.7	3.6
110°-120°	558.4	6.1
120°-130°	734.9	8.0
130°-140°	823.5	9.0
140°-150°	807.1	8.8
150°-160°	677.9	7.4
160°-170°	450.6	4.9
170°-180°	157.7	1.7
0°-30°	1349.0	14.8
0°-40°	2251.8	24.6
0°-60°	3727.3	40.8
0°-90°	4490.8	49.1
90°-120°	999.7	10.9
90°-150°	3365.1	36.8
90°-180°	4651.0	50.9
0°-180°	9142.1	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1590	1590	1590	1590	1590	
5°	1834	1590	1392	1590	1834	185
15°	2291	1522	1091	1522	2291	656
25°	2819	1392	921	1392	2819	1287
35°	2262	1210	788	1210	2262	1385
45°	1066	956	655	956	1066	854
55°	657	674	535	674	657	592
65°	404	415	414	415	404	401
75°	198	201	255	201	198	214
85°	44	40	63	40	44	52
90°	31	1	31	1	31	20
95°	112	84	112	84	112	114
105°	322	296	322	296	322	341
115°	564	559	564	559	564	558
125°	821	816	821	816	821	733
135°	1065	1061	1065	1061	1065	822
145°	1291	1286	1291	1286	1291	806
155°	1471	1471	1471	1471	1471	677
165°	1596	1599	1596	1599	1596	450
175°	1656	1663	1656	1663	1656	157
180°	1667	1667	1667	1667	1667	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1590.2	1590.2	1590.2	1590.2	1590.2	1590.2	1590.2	1590.2	1590.2	1590.2	1590.2
2.5°	1682.0	1679.8	1677.7	1673.3	1676.6	1667.4	1663.1	1655.5	1646.3	1643.1	1639.3
5°	1834.5	1837.9	1841.3	1827.1	1828.4	1819.0	1797.4	1779.8	1765.7	1747.4	1734.6
7.5°	2018.1	2010.1	2009.5	2000.3	1984.5	1971.8	1949.1	1920.2	1892.3	1860.4	1834.1
10°	2109.9	2110.6	2104.5	2093.7	2076.8	2064.7	2035.0	2006.6	1972.2	1931.7	1902.7
12.5°	2179.0	2181.8	2174.2	2159.6	2151.3	2124.1	2100.9	2067.1	2026.2	1993.8	1949.7
15°	2290.8	2283.4	2278.0	2259.7	2245.6	2217.2	2180.1	2145.0	2100.4	2059.3	2018.1
17.5°	2398.5	2404.4	2394.3	2377.7	2333.7	2300.6	2250.8	2202.8	2147.3	2092.1	2042.9
20°	2494.6	2500.0	2484.5	2455.5	2402.8	2369.8	2304.3	2242.2	2178.1	2107.2	2053.2
22.5°	2614.5	2610.2	2589.2	2545.1	2499.5	2438.3	2367.5	2291.9	2211.5	2131.5	2059.7
25°	2818.6	2790.2	2777.4	2722.8	2662.7	2572.9	2475.7	2365.0	2265.1	2159.2	2067.4
27.5°	2931.7	2922.8	2908.5	2870.4	2807.3	2711.3	2596.7	2461.8	2320.9	2187.1	2067.0
30°	2909.0	2910.4	2911.7	2899.6	2859.1	2786.9	2672.8	2527.7	2360.3	2209.8	2070.7
32.5°	2708.2	2732.7	2756.2	2784.0	2795.4	2781.5	2710.1	2579.0	2406.7	2235.7	2068.6
35°	2262.4	2269.9	2346.1	2421.7	2524.3	2604.0	2657.3	2599.2	2454.1	2257.7	2066.0
37.5°	1764.1	1800.5	1853.3	1938.7	2086.8	2219.4	2389.9	2468.3	2421.5	2264.9	2061.3
40°	1503.8	1537.5	1572.0	1659.0	1783.9	1944.5	2138.2	2303.6	2342.1	2242.2	2045.1
42.5°	1302.9	1329.7	1367.9	1433.3	1537.7	1680.0	1865.0	2081.1	2214.1	2176.3	2011.1
45°	1066.4	1083.3	1113.0	1165.0	1240.6	1351.9	1515.3	1751.5	1957.4	2025.5	1930.4
47.5°	912.8	912.7	935.8	971.7	1026.2	1120.8	1241.6	1426.7	1646.6	1809.3	1801.7
50°	827.5	824.1	842.3	873.4	916.6	979.4	1094.8	1242.6	1453.8	1638.1	1689.4
52.5°	754.1	754.5	765.7	788.6	824.8	878.4	964.6	1097.9	1278.4	1467.5	1564.1
55°	657.4	654.7	667.5	683.1	709.4	744.5	806.6	908.5	1054.9	1241.2	1366.8
57.5°	568.8	576.3	581.4	592.2	614.1	637.6	689.9	764.7	880.9	1040.8	1173.5
60°	517.0	524.4	528.5	539.3	556.8	577.1	617.6	678.3	776.2	913.9	1045.5
62.5°	470.6	476.4	477.7	487.4	501.8	521.5	553.3	604.4	681.7	802.1	931.0
65°	403.6	403.6	406.3	416.4	423.2	440.7	465.0	502.2	564.3	658.1	768.1
67.5°	339.1	342.3	341.7	346.1	352.3	366.0	383.4	414.0	460.0	528.5	616.5
70°	297.0	299.7	299.0	302.4	309.1	317.9	332.1	361.1	394.2	452.9	528.5
72.5°	259.2	260.3	258.5	263.0	267.0	274.7	290.5	306.0	336.9	386.5	448.6
75°	198.4	199.8	201.1	203.8	207.9	211.9	220.0	235.6	255.8	292.9	332.8
77.5°	148.8	146.2	149.4	149.0	151.3	154.4	161.6	169.8	186.4	209.9	240.7
80°	112.0	112.7	112.7	113.4	116.8	118.8	124.9	130.9	143.8	161.3	182.9
82.5°	81.8	83.6	82.5	83.7	86.5	88.0	91.4	96.4	103.8	117.6	133.2
85°	44.5	41.2	42.5	43.9	43.9	44.5	47.2	49.3	53.3	58.7	64.8
87.5°	19.2	20.1	20.5	20.3	20.7	20.4	22.3	22.0	23.3	24.7	26.4
90°	31.1	30.3	29.4	28.5	27.7	26.5	25.1	23.6	22.2	20.8	18.7
92.5°	61.2	60.6	60.0	59.3	58.7	57.4	55.5	53.6	51.7	49.8	47.3
95°	111.6	111.0	110.4	109.8	109.2	108.0	105.9	103.9	101.9	99.9	97.0
97.5°	169.2	168.8	168.5	168.1	167.8	166.6	164.7	162.8	160.9	159.0	155.1
100°	212.7	212.2	211.6	211.0	210.4	208.8	206.2	203.7	201.1	198.5	194.7
102.5°	256.3	255.5	254.7	253.9	253.1	251.3	248.4	245.6	242.8	240.0	238.1
105°	321.7	320.8	320.0	319.1	318.2	316.9	315.2	313.5	311.8	310.0	308.3
107.5°	388.6	388.7	388.7	388.8	388.9	388.5	387.6	386.7	385.9	385.0	383.7
110°	438.4	438.7	439.0	439.3	439.6	439.3	438.4	437.6	436.7	435.8	435.0



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	487.2	487.7	488.3	488.8	489.3	489.3	488.9	488.5	488.1	487.7	486.6
115°	564.3	564.6	564.8	565.1	565.4	565.7	566.0	566.3	566.6	566.9	566.3
117.5°	639.5	640.7	641.8	643.0	644.1	644.6	644.3	644.1	643.9	643.7	643.1
120°	691.4	692.5	693.7	694.8	696.0	696.6	696.6	696.6	696.6	696.6	696.3
122.5°	743.3	744.2	745.1	746.0	747.0	747.5	747.8	748.0	748.2	748.5	747.7
125°	821.1	821.4	821.7	822.0	822.3	822.7	823.3	823.8	824.4	825.0	824.7
127.5°	895.8	896.4	897.0	897.6	898.1	898.6	898.8	899.1	899.4	899.7	899.4
130°	945.6	946.2	946.8	947.4	947.9	948.4	948.7	948.9	949.2	949.5	948.9
132.5°	992.3	993.1	993.9	994.8	995.6	996.1	996.4	996.7	997.0	997.3	997.4
135°	1065.0	1066.1	1067.3	1068.4	1069.6	1070.2	1070.2	1070.2	1070.2	1070.2	1069.9
137.5°	1136.1	1137.5	1138.9	1140.4	1141.8	1142.4	1142.0	1141.7	1141.3	1141.0	1140.4
140°	1181.7	1183.2	1184.6	1186.0	1187.5	1187.9	1187.3	1186.8	1186.2	1185.6	1184.7
142.5°	1225.3	1226.7	1228.2	1229.6	1231.1	1231.6	1231.3	1230.9	1230.6	1230.2	1229.1
145°	1290.7	1291.5	1292.4	1293.3	1294.1	1294.6	1294.6	1294.6	1294.6	1294.6	1293.7
147.5°	1346.5	1348.4	1350.4	1352.3	1354.3	1354.9	1354.2	1353.5	1352.9	1352.2	1351.5
150°	1388.0	1388.5	1389.1	1389.7	1390.3	1390.6	1390.6	1390.6	1390.6	1390.6	1389.4
152.5°	1422.2	1423.2	1424.3	1425.3	1426.4	1426.5	1425.8	1425.1	1424.5	1423.8	1423.3
155°	1471.0	1472.4	1473.9	1475.3	1476.7	1476.9	1475.7	1474.6	1473.4	1472.3	1472.0
157.5°	1511.7	1513.6	1515.5	1517.4	1519.3	1519.7	1518.5	1517.4	1516.2	1515.1	1514.8
160°	1539.7	1541.2	1542.6	1544.1	1545.5	1545.6	1544.5	1543.3	1542.2	1541.0	1540.7
162.5°	1563.6	1565.3	1566.9	1568.6	1570.3	1570.4	1569.0	1567.7	1566.3	1564.9	1564.8
165°	1595.5	1597.2	1599.0	1600.7	1602.4	1602.7	1601.6	1600.4	1599.3	1598.1	1597.8
167.5°	1620.9	1622.7	1624.5	1626.3	1628.1	1628.1	1626.4	1624.7	1622.9	1621.2	1621.2
170°	1634.4	1636.4	1638.5	1640.5	1642.5	1642.6	1640.9	1639.2	1637.5	1635.7	1635.7
172.5°	1645.8	1647.6	1649.4	1651.2	1653.0	1653.0	1651.3	1649.6	1647.8	1646.1	1646.1
175°	1656.5	1658.5	1660.5	1662.5	1664.5	1664.7	1663.0	1661.2	1659.5	1657.8	1657.8
177.5°	1662.7	1664.3	1665.9	1667.5	1669.2	1669.3	1667.9	1666.5	1665.1	1663.7	1664.0
180°	1666.9	1666.9	1666.9	1666.9	1666.9	1666.9	1666.9	1666.9	1666.9	1666.9	1666.9



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1590.2	1590.2	1590.2	1590.2	1590.2	1590.2	1590.2	1590.2	1590.2	1590.2	1590.2
2.5°	1636.1	1632.3	1628.0	1620.4	1611.2	1606.4	1598.8	1594.0	1584.2	1576.1	1567.5
5°	1719.1	1701.6	1685.4	1664.4	1641.5	1626.6	1609.1	1589.5	1569.3	1548.3	1525.4
7.5°	1805.1	1774.0	1740.3	1704.0	1668.5	1635.8	1604.6	1574.0	1545.4	1510.8	1481.5
10°	1862.9	1823.7	1781.9	1732.6	1684.7	1642.8	1600.3	1563.2	1525.4	1484.9	1449.1
12.5°	1920.6	1868.5	1809.4	1755.3	1697.6	1647.1	1597.1	1549.7	1502.2	1457.4	1415.6
15°	1961.4	1915.5	1860.8	1783.9	1719.1	1649.6	1583.4	1522.0	1464.6	1414.7	1362.1
17.5°	1988.3	1929.1	1870.4	1796.6	1711.7	1633.9	1559.0	1488.7	1424.0	1360.7	1309.9
20°	1993.1	1932.4	1871.0	1798.7	1711.7	1622.6	1547.7	1463.3	1393.8	1328.3	1266.2
22.5°	1991.5	1922.7	1855.8	1781.5	1696.6	1614.5	1523.9	1437.9	1362.5	1298.1	1233.3
25°	1976.3	1902.7	1819.0	1744.1	1660.4	1573.3	1481.5	1392.4	1315.5	1241.9	1177.8
27.5°	1963.6	1868.1	1773.4	1686.0	1605.2	1525.4	1437.5	1346.3	1260.9	1186.4	1126.0
30°	1947.9	1843.3	1736.6	1645.5	1562.5	1484.9	1401.9	1312.8	1223.7	1150.8	1086.0
32.5°	1933.9	1812.0	1699.4	1600.2	1512.3	1436.8	1360.3	1275.5	1188.0	1114.1	1049.3
35°	1906.7	1765.7	1636.8	1524.7	1430.9	1353.3	1289.2	1210.2	1129.9	1058.3	996.2
37.5°	1872.3	1704.9	1566.6	1449.1	1346.3	1264.5	1204.8	1144.2	1067.1	998.1	942.0
40°	1845.3	1661.7	1515.3	1395.1	1288.5	1203.4	1148.1	1090.7	1026.6	962.5	903.1
42.5°	1811.3	1622.9	1463.4	1334.1	1228.5	1145.7	1087.6	1038.9	982.3	922.5	867.4
45°	1748.8	1552.4	1379.6	1240.6	1133.9	1052.2	992.2	955.7	913.2	856.5	809.9
47.5°	1656.9	1467.7	1289.0	1145.5	1035.5	959.8	903.5	868.5	838.6	796.4	754.2
50°	1575.3	1404.6	1223.7	1081.3	971.3	895.0	843.0	811.3	785.6	753.2	717.5
52.5°	1484.1	1325.2	1159.4	1018.6	909.7	834.5	783.6	755.7	734.3	711.1	675.9
55°	1339.1	1204.1	1050.2	916.6	816.0	742.4	697.9	673.6	656.1	638.5	616.9
57.5°	1179.4	1073.8	937.5	815.3	722.7	655.8	614.2	590.6	576.9	567.9	555.2
60°	1067.1	976.7	859.2	747.8	657.4	598.0	557.5	539.3	527.8	520.4	510.9
62.5°	962.9	888.6	779.8	678.2	599.1	542.9	506.8	489.1	478.1	474.5	466.7
65°	809.3	751.9	662.1	577.8	510.3	462.3	432.0	415.1	408.3	404.3	405.0
67.5°	657.9	623.0	550.9	478.9	425.1	384.9	360.6	347.6	344.2	338.8	338.7
70°	565.6	539.3	478.5	415.8	367.8	336.8	315.2	301.7	298.3	295.6	295.0
72.5°	484.1	461.0	408.3	358.0	314.9	287.7	269.8	261.7	256.2	254.6	254.5
75°	363.8	351.0	309.1	269.3	239.6	220.7	208.6	201.1	197.1	196.4	197.1
77.5°	258.6	247.4	220.8	192.6	173.9	159.6	149.3	146.7	142.1	142.3	141.6
80°	194.4	187.0	170.1	147.8	132.3	120.1	114.7	110.0	108.7	106.6	108.7
82.5°	140.9	133.0	121.5	107.3	94.5	87.2	81.8	80.3	79.5	78.6	79.0
85°	69.5	70.2	63.4	52.6	47.2	43.2	39.8	39.8	39.1	38.5	39.1
87.5°	27.1	25.6	23.1	21.0	17.8	15.8	14.8	14.8	13.7	13.6	14.6
90°	16.7	14.7	12.7	10.5	8.2	5.9	3.6	1.3	3.6	5.9	8.2
92.5°	44.9	42.4	39.9	37.8	36.2	34.6	33.0	31.4	33.0	34.6	36.2
95°	94.1	91.2	88.4	86.6	86.0	85.5	84.9	84.3	84.9	85.5	86.0
97.5°	151.1	147.1	143.1	141.0	140.8	140.6	140.3	140.1	140.3	140.6	140.8
100°	191.0	187.2	183.5	181.6	181.6	181.6	181.6	181.6	181.6	181.6	181.6
102.5°	236.2	234.3	232.4	230.8	229.7	228.5	227.4	226.2	227.4	228.5	229.7
105°	306.6	304.8	303.1	301.5	300.1	298.6	297.2	295.8	297.2	298.6	300.1
107.5°	382.3	381.0	379.7	378.3	376.9	375.4	374.0	372.5	374.0	375.4	376.9
110°	434.1	433.3	432.4	431.2	429.8	428.4	426.9	425.5	426.9	428.4	429.8





TEST NUMBER: P333449

CATALOG NUMBER: S125DIW-S1090D1340U835-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	485.5	484.4	483.4	482.4	481.7	480.9	480.2	479.4	480.2	480.9	481.7
115°	565.7	565.1	564.6	563.7	562.5	561.4	560.2	559.1	560.2	561.4	562.5
117.5°	642.6	642.1	641.6	641.1	640.5	640.0	639.5	639.0	639.5	640.0	640.5
120°	696.0	695.7	695.4	694.6	693.1	691.7	690.2	688.8	690.2	691.7	693.1
122.5°	747.0	746.2	745.5	744.8	744.3	743.8	743.3	742.8	743.3	743.8	744.3
125°	824.4	824.1	823.8	822.8	821.1	819.4	817.6	815.9	817.6	819.4	821.1
127.5°	899.0	898.7	898.3	897.7	896.7	895.7	894.7	893.7	894.7	895.7	896.7
130°	948.4	947.8	947.2	946.2	944.8	943.3	941.9	940.4	941.9	943.3	944.8
132.5°	997.5	997.6	997.7	996.6	994.2	991.9	989.5	987.1	989.5	991.9	994.2
135°	1069.6	1069.3	1069.0	1068.0	1066.3	1064.5	1062.8	1061.1	1062.8	1064.5	1066.3
137.5°	1139.7	1139.1	1138.4	1137.3	1135.6	1134.0	1132.3	1130.6	1132.3	1134.0	1135.6
140°	1183.9	1183.0	1182.1	1181.0	1179.6	1178.1	1176.7	1175.2	1176.7	1178.1	1179.6
142.5°	1228.0	1226.9	1225.8	1224.7	1223.5	1222.3	1221.1	1219.9	1221.1	1222.3	1223.5
145°	1292.8	1292.0	1291.1	1290.1	1288.9	1287.8	1286.6	1285.5	1286.6	1287.8	1288.9
147.5°	1350.8	1350.1	1349.4	1348.7	1348.1	1347.5	1346.8	1346.2	1346.8	1347.5	1348.1
150°	1388.3	1387.1	1385.9	1385.5	1385.8	1386.1	1386.4	1386.7	1386.4	1386.1	1385.8
152.5°	1422.8	1422.4	1421.9	1421.5	1421.1	1420.7	1420.3	1419.9	1420.3	1420.7	1421.1
155°	1471.7	1471.4	1471.1	1471.0	1471.0	1471.0	1471.0	1471.0	1471.0	1471.0	1471.0
157.5°	1514.5	1514.2	1513.9	1514.1	1514.7	1515.4	1516.0	1516.6	1516.0	1515.4	1514.7
160°	1540.5	1540.2	1539.9	1540.2	1541.0	1541.9	1542.8	1543.6	1542.8	1541.9	1541.0
162.5°	1564.8	1564.7	1564.7	1565.0	1565.6	1566.2	1566.9	1567.5	1566.9	1566.2	1565.6
165°	1597.5	1597.2	1597.0	1597.1	1597.7	1598.2	1598.8	1599.4	1598.8	1598.2	1597.7
167.5°	1621.2	1621.2	1621.2	1621.8	1622.9	1624.1	1625.2	1626.4	1625.2	1624.1	1622.9
170°	1635.7	1635.7	1635.7	1636.3	1637.5	1638.6	1639.8	1640.9	1639.8	1638.6	1637.5
172.5°	1646.1	1646.1	1646.1	1646.7	1647.8	1649.0	1650.1	1651.3	1650.1	1649.0	1647.8
175°	1657.8	1657.8	1657.8	1658.4	1659.5	1660.7	1661.8	1663.0	1661.8	1660.7	1659.5
177.5°	1664.2	1664.4	1664.7	1665.2	1666.2	1667.1	1668.0	1668.9	1668.0	1667.1	1666.2
180°	1666.9	1666.9	1666.9	1666.9	1666.9	1666.9	1666.9	1666.9	1666.9	1666.9	1666.9



TEST NUMBER: P333449

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**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1590.2	1590.2	1590.2	1590.2	1590.2	1590.2	1590.2	1590.2	1590.2	1590.2	1590.2
2.5°	1562.6	1556.7	1551.8	1541.0	1535.1	1527.0	1520.5	1527.5	1520.0	1523.2	1518.4
5°	1513.9	1495.0	1481.5	1461.9	1445.1	1429.5	1418.1	1416.0	1410.6	1407.9	1399.8
7.5°	1455.3	1431.7	1408.5	1382.8	1361.2	1339.2	1325.2	1313.6	1305.9	1295.8	1288.9
10°	1420.8	1389.0	1362.1	1331.0	1304.0	1280.4	1261.5	1252.0	1243.3	1230.4	1225.7
12.5°	1378.1	1345.3	1312.4	1279.2	1253.2	1226.9	1210.7	1196.4	1190.3	1175.9	1174.4
15°	1327.0	1277.7	1245.3	1211.5	1175.8	1154.2	1140.7	1125.1	1118.4	1108.3	1100.8
17.5°	1265.9	1221.9	1181.4	1146.5	1115.8	1097.6	1080.9	1070.2	1058.6	1052.0	1039.8
20°	1221.7	1179.8	1139.3	1102.2	1078.6	1057.6	1044.1	1034.0	1021.9	1018.5	1006.4
22.5°	1184.4	1138.2	1099.4	1068.2	1042.4	1018.8	1004.2	997.3	988.9	978.5	976.1
25°	1123.8	1075.9	1042.8	1011.8	988.8	967.2	957.1	948.3	940.2	932.8	930.1
27.5°	1071.4	1028.6	989.3	961.3	941.3	921.6	912.7	902.0	896.1	890.1	882.8
30°	1034.7	990.8	956.4	929.4	907.8	890.3	880.8	873.4	868.0	862.6	858.5
32.5°	996.9	956.3	922.9	896.5	874.9	861.6	853.3	848.0	842.1	835.6	830.5
35°	947.0	902.4	870.0	847.1	830.2	820.1	810.6	805.9	799.1	799.1	793.7
37.5°	890.7	852.2	823.6	802.7	787.5	778.5	768.2	765.0	760.7	757.8	755.9
40°	857.2	821.4	794.4	773.5	757.3	749.9	741.8	736.4	733.7	730.3	728.9
42.5°	822.6	788.5	762.6	743.3	729.2	722.9	715.3	711.5	706.1	701.7	700.9
45°	770.1	737.0	713.4	697.9	685.7	678.3	673.6	665.5	662.8	657.4	656.7
47.5°	720.3	688.6	665.4	652.7	642.0	635.9	628.5	620.4	617.3	614.6	614.3
50°	683.1	654.0	632.4	620.3	610.2	601.4	594.0	588.6	586.5	586.5	587.9
52.5°	645.3	620.5	602.2	587.3	577.8	568.4	561.6	558.3	555.2	558.5	560.9
55°	589.9	564.9	551.4	537.3	527.8	517.0	513.6	512.3	510.3	515.7	518.4
57.5°	531.3	513.8	498.0	483.9	475.4	469.2	464.6	463.8	467.6	470.2	478.9
60°	494.1	473.8	459.6	448.8	438.7	434.7	433.3	432.0	434.7	442.1	453.6
62.5°	453.0	436.6	421.3	413.2	405.8	399.0	398.8	399.6	405.0	413.5	424.9
65°	392.8	378.6	368.5	359.1	353.0	348.9	350.3	353.0	359.1	370.5	383.4
67.5°	331.7	322.0	312.9	305.2	299.4	299.4	300.8	304.8	312.0	325.2	336.9
70°	292.3	281.5	274.0	270.7	265.9	263.2	267.3	274.0	280.1	292.3	302.4
72.5°	252.8	243.7	237.9	235.6	233.5	231.4	232.7	240.0	248.2	260.4	272.1
75°	194.4	191.0	187.0	184.3	182.2	183.6	184.9	191.7	198.4	211.3	224.8
77.5°	141.9	138.4	135.9	135.3	134.2	134.9	138.6	143.6	150.2	159.6	169.8
80°	107.3	106.0	104.6	103.9	103.9	104.6	110.0	113.4	119.5	128.2	136.3
82.5°	78.2	77.3	77.1	76.9	77.5	77.6	80.9	85.3	90.3	96.9	103.9
85°	41.2	39.8	41.8	42.5	41.2	43.2	44.5	47.2	49.3	52.6	56.0
87.5°	15.6	17.1	17.0	17.9	18.3	19.8	19.6	22.0	23.4	24.7	24.4
90°	10.5	12.7	14.7	16.7	18.7	20.8	22.2	23.6	25.1	26.5	27.7
92.5°	37.8	39.9	42.4	44.9	47.3	49.8	51.7	53.6	55.5	57.4	58.7
95°	86.6	88.4	91.2	94.1	97.0	99.9	101.9	103.9	105.9	108.0	109.2
97.5°	141.0	143.1	147.1	151.1	155.1	159.0	160.9	162.8	164.7	166.6	167.8
100°	181.6	183.5	187.2	191.0	194.7	198.5	201.1	203.7	206.2	208.8	210.4
102.5°	230.8	232.4	234.3	236.2	238.1	240.0	242.8	245.6	248.4	251.3	253.1
105°	301.5	303.1	304.8	306.6	308.3	310.0	311.8	313.5	315.2	316.9	318.2
107.5°	378.3	379.7	381.0	382.3	383.7	385.0	385.9	386.7	387.6	388.5	388.9
110°	431.2	432.4	433.3	434.1	435.0	435.8	436.7	437.6	438.4	439.3	439.6



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**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	482.4	483.4	484.4	485.5	486.6	487.7	488.1	488.5	488.9	489.3	489.3
115°	563.7	564.6	565.1	565.7	566.3	566.9	566.6	566.3	566.0	565.7	565.4
117.5°	641.1	641.6	642.1	642.6	643.1	643.7	643.9	644.1	644.3	644.6	644.1
120°	694.6	695.4	695.7	696.0	696.3	696.6	696.6	696.6	696.6	696.6	696.0
122.5°	744.8	745.5	746.2	747.0	747.7	748.5	748.2	748.0	747.8	747.5	747.0
125°	822.8	823.8	824.1	824.4	824.7	825.0	824.4	823.8	823.3	822.7	822.3
127.5°	897.7	898.3	898.7	899.0	899.4	899.7	899.4	899.1	898.8	898.6	898.1
130°	946.2	947.2	947.8	948.4	948.9	949.5	949.2	948.9	948.7	948.4	947.9
132.5°	996.6	997.7	997.6	997.5	997.4	997.3	997.0	996.7	996.4	996.1	995.6
135°	1068.0	1069.0	1069.3	1069.6	1069.9	1070.2	1070.2	1070.2	1070.2	1070.2	1069.6
137.5°	1137.3	1138.4	1139.1	1139.7	1140.4	1141.0	1141.3	1141.7	1142.0	1142.4	1141.8
140°	1181.0	1182.1	1183.0	1183.9	1184.7	1185.6	1186.2	1186.8	1187.3	1187.9	1187.5
142.5°	1224.7	1225.8	1226.9	1228.0	1229.1	1230.2	1230.6	1230.9	1231.3	1231.6	1231.1
145°	1290.1	1291.1	1292.0	1292.8	1293.7	1294.6	1294.6	1294.6	1294.6	1294.6	1294.1
147.5°	1348.7	1349.4	1350.1	1350.8	1351.5	1352.2	1352.9	1353.5	1354.2	1354.9	1354.3
150°	1385.5	1385.9	1387.1	1388.3	1389.4	1390.6	1390.6	1390.6	1390.6	1390.6	1390.3
152.5°	1421.5	1421.9	1422.4	1422.8	1423.3	1423.8	1424.5	1425.1	1425.8	1426.5	1426.4
155°	1471.0	1471.1	1471.4	1471.7	1472.0	1472.3	1473.4	1474.6	1475.7	1476.9	1476.7
157.5°	1514.1	1513.9	1514.2	1514.5	1514.8	1515.1	1516.2	1517.4	1518.5	1519.7	1519.3
160°	1540.2	1539.9	1540.2	1540.5	1540.7	1541.0	1542.2	1543.3	1544.5	1545.6	1545.5
162.5°	1565.0	1564.7	1564.7	1564.8	1564.8	1564.9	1566.3	1567.7	1569.0	1570.4	1570.3
165°	1597.1	1597.0	1597.2	1597.5	1597.8	1598.1	1599.3	1600.4	1601.6	1602.7	1602.4
167.5°	1621.8	1621.2	1621.2	1621.2	1621.2	1621.2	1622.9	1624.7	1626.4	1628.1	1628.1
170°	1636.3	1635.7	1635.7	1635.7	1635.7	1635.7	1637.5	1639.2	1640.9	1642.6	1642.5
172.5°	1646.7	1646.1	1646.1	1646.1	1646.1	1646.1	1647.8	1649.6	1651.3	1653.0	1653.0
175°	1658.4	1657.8	1657.8	1657.8	1657.8	1657.8	1659.5	1661.2	1663.0	1664.7	1664.5
177.5°	1665.2	1664.7	1664.4	1664.2	1664.0	1663.7	1665.1	1666.5	1667.9	1669.3	1669.2
180°	1666.9	1666.9	1666.9	1666.9	1666.9	1666.9	1666.9	1666.9	1666.9	1666.9	1666.9



TEST NUMBER: P333449

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**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1590.2	1590.2	1590.2	1590.2	1590.2	1590.2	1590.2	1590.2	1590.2	1590.2	1590.2
2.5°	1515.1	1518.9	1515.7	1520.0	1515.7	1518.9	1515.1	1518.4	1523.2	1520.0	1527.5
5°	1396.5	1390.4	1394.4	1391.7	1394.4	1390.4	1396.5	1399.8	1407.9	1410.6	1416.0
7.5°	1286.9	1281.1	1274.4	1271.3	1274.4	1281.1	1286.9	1288.9	1295.8	1305.9	1313.6
10°	1218.3	1210.9	1210.2	1205.5	1210.2	1210.9	1218.3	1225.7	1230.4	1243.3	1252.0
12.5°	1168.1	1161.2	1153.5	1151.5	1153.5	1161.2	1168.1	1174.4	1175.9	1190.3	1196.4
15°	1096.8	1091.4	1086.7	1090.7	1086.7	1091.4	1096.8	1100.8	1108.3	1118.4	1125.1
17.5°	1037.5	1033.1	1032.3	1027.3	1032.3	1033.1	1037.5	1039.8	1052.0	1058.6	1070.2
20°	1000.3	996.9	998.3	989.5	998.3	996.9	1000.3	1006.4	1018.5	1021.9	1034.0
22.5°	970.6	964.0	963.2	961.4	963.2	964.0	970.6	976.1	978.5	988.9	997.3
25°	924.0	920.6	917.3	920.6	917.3	920.6	924.0	930.1	932.8	940.2	948.3
27.5°	883.4	879.3	878.4	878.8	878.4	879.3	883.4	882.8	890.1	896.1	902.0
30°	858.5	851.8	852.5	851.8	852.5	851.8	858.5	858.5	862.6	868.0	873.4
32.5°	831.5	826.9	826.0	824.8	826.0	826.9	831.5	830.5	835.6	842.1	848.0
35°	791.7	791.7	788.3	788.3	788.3	791.7	791.7	793.7	799.1	799.1	805.9
37.5°	754.3	753.6	751.6	751.9	751.6	753.6	754.3	755.9	757.8	760.7	765.0
40°	726.2	725.6	723.5	719.5	723.5	725.6	726.2	728.9	730.3	733.7	736.4
42.5°	699.2	697.0	696.0	694.7	696.0	697.0	699.2	700.9	701.7	706.1	711.5
45°	656.7	656.7	655.4	654.7	655.4	656.7	656.7	656.7	657.4	662.8	665.5
47.5°	615.4	616.6	619.2	618.8	619.2	616.6	615.4	614.3	614.6	617.3	620.4
50°	590.6	591.3	593.3	594.0	593.3	591.3	590.6	587.9	586.5	586.5	588.6
52.5°	563.0	567.0	569.5	569.1	569.5	567.0	563.0	560.9	558.5	555.2	558.3
55°	524.4	529.2	533.9	534.6	533.9	529.2	524.4	518.4	515.7	510.3	512.3
57.5°	486.2	492.8	497.8	499.5	497.8	492.8	486.2	478.9	470.2	467.6	463.8
60°	460.3	469.1	475.2	477.9	475.2	469.1	460.3	453.6	442.1	434.7	432.0
62.5°	435.5	445.3	451.4	451.9	451.4	445.3	435.5	424.9	413.5	405.0	399.6
65°	394.8	405.0	410.4	414.4	410.4	405.0	394.8	383.4	370.5	359.1	353.0
67.5°	351.1	361.2	367.2	370.4	367.2	361.2	351.1	336.9	325.2	312.0	304.8
70°	319.3	329.4	337.5	340.2	337.5	329.4	319.3	302.4	292.3	280.1	274.0
72.5°	287.9	297.0	303.5	306.7	303.5	297.0	287.9	272.1	260.4	248.2	240.0
75°	233.5	245.7	251.8	255.1	251.8	245.7	233.5	224.8	211.3	198.4	191.7
77.5°	180.1	191.1	194.8	196.5	194.8	191.1	180.1	169.8	159.6	150.2	143.6
80°	144.4	151.2	155.9	156.6	155.9	151.2	144.4	136.3	128.2	119.5	113.4
82.5°	111.0	116.6	118.1	119.9	118.1	116.6	111.0	103.9	96.9	90.3	85.3
85°	60.7	63.4	64.1	63.4	64.1	63.4	60.7	56.0	52.6	49.3	47.2
87.5°	25.7	25.3	25.5	26.7	25.5	25.3	25.7	24.4	24.7	23.4	22.0
90°	28.5	29.4	30.3	31.1	30.3	29.4	28.5	27.7	26.5	25.1	23.6
92.5°	59.3	60.0	60.6	61.2	60.6	60.0	59.3	58.7	57.4	55.5	53.6
95°	109.8	110.4	111.0	111.6	111.0	110.4	109.8	109.2	108.0	105.9	103.9
97.5°	168.1	168.5	168.8	169.2	168.8	168.5	168.1	167.8	166.6	164.7	162.8
100°	211.0	211.6	212.2	212.7	212.2	211.6	211.0	210.4	208.8	206.2	203.7
102.5°	253.9	254.7	255.5	256.3	255.5	254.7	253.9	253.1	251.3	248.4	245.6
105°	319.1	320.0	320.8	321.7	320.8	320.0	319.1	318.2	316.9	315.2	313.5
107.5°	388.8	388.7	388.7	388.6	388.7	388.7	388.8	388.9	388.5	387.6	386.7
110°	439.3	439.0	438.7	438.4	438.7	439.0	439.3	439.6	439.3	438.4	437.6



TEST NUMBER: P333449

CATALOG NUMBER: S125DIW-S1090D1340U835-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	488.8	488.3	487.7	487.2	487.7	488.3	488.8	489.3	489.3	488.9	488.5
115°	565.1	564.8	564.6	564.3	564.6	564.8	565.1	565.4	565.7	566.0	566.3
117.5°	643.0	641.8	640.7	639.5	640.7	641.8	643.0	644.1	644.6	644.3	644.1
120°	694.8	693.7	692.5	691.4	692.5	693.7	694.8	696.0	696.6	696.6	696.6
122.5°	746.0	745.1	744.2	743.3	744.2	745.1	746.0	747.0	747.5	747.8	748.0
125°	822.0	821.7	821.4	821.1	821.4	821.7	822.0	822.3	822.7	823.3	823.8
127.5°	897.6	897.0	896.4	895.8	896.4	897.0	897.6	898.1	898.6	898.8	899.1
130°	947.4	946.8	946.2	945.6	946.2	946.8	947.4	947.9	948.4	948.7	948.9
132.5°	994.8	993.9	993.1	992.3	993.1	993.9	994.8	995.6	996.1	996.4	996.7
135°	1068.4	1067.3	1066.1	1065.0	1066.1	1067.3	1068.4	1069.6	1070.2	1070.2	1070.2
137.5°	1140.4	1138.9	1137.5	1136.1	1137.5	1138.9	1140.4	1141.8	1142.4	1142.0	1141.7
140°	1186.0	1184.6	1183.2	1181.7	1183.2	1184.6	1186.0	1187.5	1187.9	1187.3	1186.8
142.5°	1229.6	1228.2	1226.7	1225.3	1226.7	1228.2	1229.6	1231.1	1231.6	1231.3	1230.9
145°	1293.3	1292.4	1291.5	1290.7	1291.5	1292.4	1293.3	1294.1	1294.6	1294.6	1294.6
147.5°	1352.3	1350.4	1348.4	1346.5	1348.4	1350.4	1352.3	1354.3	1354.9	1354.2	1353.5
150°	1389.7	1389.1	1388.5	1388.0	1388.5	1389.1	1389.7	1390.3	1390.6	1390.6	1390.6
152.5°	1425.3	1424.3	1423.2	1422.2	1423.2	1424.3	1425.3	1426.4	1426.5	1425.8	1425.1
155°	1475.3	1473.9	1472.4	1471.0	1472.4	1473.9	1475.3	1476.7	1476.9	1475.7	1474.6
157.5°	1517.4	1515.5	1513.6	1511.7	1513.6	1515.5	1517.4	1519.3	1519.7	1518.5	1517.4
160°	1544.1	1542.6	1541.2	1539.7	1541.2	1542.6	1544.1	1545.5	1545.6	1544.5	1543.3
162.5°	1568.6	1566.9	1565.3	1563.6	1565.3	1566.9	1568.6	1570.3	1570.4	1569.0	1567.7
165°	1600.7	1599.0	1597.2	1595.5	1597.2	1599.0	1600.7	1602.4	1602.7	1601.6	1600.4
167.5°	1626.3	1624.5	1622.7	1620.9	1622.7	1624.5	1626.3	1628.1	1628.1	1626.4	1624.7
170°	1640.5	1638.5	1636.4	1634.4	1636.4	1638.5	1640.5	1642.5	1642.6	1640.9	1639.2
172.5°	1651.2	1649.4	1647.6	1645.8	1647.6	1649.4	1651.2	1653.0	1653.0	1651.3	1649.6
175°	1662.5	1660.5	1658.5	1656.5	1658.5	1660.5	1662.5	1664.5	1664.7	1663.0	1661.2
177.5°	1667.5	1665.9	1664.3	1662.7	1664.3	1665.9	1667.5	1669.2	1669.3	1667.9	1666.5
180°	1666.9	1666.9	1666.9	1666.9	1666.9	1666.9	1666.9	1666.9	1666.9	1666.9	1666.9



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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1590.2	1590.2	1590.2	1590.2	1590.2	1590.2	1590.2	1590.2	1590.2	1590.2	1590.2
2.5°	1520.5	1527.0	1535.1	1541.0	1551.8	1556.7	1562.6	1567.5	1576.1	1584.2	1594.0
5°	1418.1	1429.5	1445.1	1461.9	1481.5	1495.0	1513.9	1525.4	1548.3	1569.3	1589.5
7.5°	1325.2	1339.2	1361.2	1382.8	1408.5	1431.7	1455.3	1481.5	1510.8	1545.4	1574.0
10°	1261.5	1280.4	1304.0	1331.0	1362.1	1389.0	1420.8	1449.1	1484.9	1525.4	1563.2
12.5°	1210.7	1226.9	1253.2	1279.2	1312.4	1345.3	1378.1	1415.6	1457.4	1502.2	1549.7
15°	1140.7	1154.2	1175.8	1211.5	1245.3	1277.7	1327.0	1362.1	1414.7	1464.6	1522.0
17.5°	1080.9	1097.6	1115.8	1146.5	1181.4	1221.9	1265.9	1309.9	1360.7	1424.0	1488.7
20°	1044.1	1057.6	1078.6	1102.2	1139.3	1179.8	1221.7	1266.2	1328.3	1393.8	1463.3
22.5°	1004.2	1018.8	1042.4	1068.2	1099.4	1138.2	1184.4	1233.3	1298.1	1362.5	1437.9
25°	957.1	967.2	988.8	1011.8	1042.8	1075.9	1123.8	1177.8	1241.9	1315.5	1392.4
27.5°	912.7	921.6	941.3	961.3	989.3	1028.6	1071.4	1126.0	1186.4	1260.9	1346.3
30°	880.8	890.3	907.8	929.4	956.4	990.8	1034.7	1086.0	1150.8	1223.7	1312.8
32.5°	853.3	861.6	874.9	896.5	922.9	956.3	996.9	1049.3	1114.1	1188.0	1275.5
35°	810.6	820.1	830.2	847.1	870.0	902.4	947.0	996.2	1058.3	1129.9	1210.2
37.5°	768.2	778.5	787.5	802.7	823.6	852.2	890.7	942.0	998.1	1067.1	1144.2
40°	741.8	749.9	757.3	773.5	794.4	821.4	857.2	903.1	962.5	1026.6	1090.7
42.5°	715.3	722.9	729.2	743.3	762.6	788.5	822.6	867.4	922.5	982.3	1038.9
45°	673.6	678.3	685.7	697.9	713.4	737.0	770.1	809.9	856.5	913.2	955.7
47.5°	628.5	635.9	642.0	652.7	665.4	688.6	720.3	754.2	796.4	838.6	868.5
50°	594.0	601.4	610.2	620.3	632.4	654.0	683.1	717.5	753.2	785.6	811.3
52.5°	561.6	568.4	577.8	587.3	602.2	620.5	645.3	675.9	711.1	734.3	755.7
55°	513.6	517.0	527.8	537.3	551.4	564.9	589.9	616.9	638.5	656.1	673.6
57.5°	464.6	469.2	475.4	483.9	498.0	513.8	531.3	555.2	567.9	576.9	590.6
60°	433.3	434.7	438.7	448.8	459.6	473.8	494.1	510.9	520.4	527.8	539.3
62.5°	398.8	399.0	405.8	413.2	421.3	436.6	453.0	466.7	474.5	478.1	489.1
65°	350.3	348.9	353.0	359.1	368.5	378.6	392.8	405.0	404.3	408.3	415.1
67.5°	300.8	299.4	299.4	305.2	312.9	322.0	331.7	338.7	338.8	344.2	347.6
70°	267.3	263.2	265.9	270.7	274.0	281.5	292.3	295.0	295.6	298.3	301.7
72.5°	232.7	231.4	233.5	235.6	237.9	243.7	252.8	254.5	254.6	256.2	261.7
75°	184.9	183.6	182.2	184.3	187.0	191.0	194.4	197.1	196.4	197.1	201.1
77.5°	138.6	134.9	134.2	135.3	135.9	138.4	141.9	141.6	142.3	142.1	146.7
80°	110.0	104.6	103.9	103.9	104.6	106.0	107.3	108.7	106.6	108.7	110.0
82.5°	80.9	77.6	77.5	76.9	77.1	77.3	78.2	79.0	78.6	79.5	80.3
85°	44.5	43.2	41.2	42.5	41.8	39.8	41.2	39.1	38.5	39.1	39.8
87.5°	19.6	19.8	18.3	17.9	17.0	17.1	15.6	14.6	13.6	13.7	14.8
90°	22.2	20.8	18.7	16.7	14.7	12.7	10.5	8.2	5.9	3.6	1.3
92.5°	51.7	49.8	47.3	44.9	42.4	39.9	37.8	36.2	34.6	33.0	31.4
95°	101.9	99.9	97.0	94.1	91.2	88.4	86.6	86.0	85.5	84.9	84.3
97.5°	160.9	159.0	155.1	151.1	147.1	143.1	141.0	140.8	140.6	140.3	140.1
100°	201.1	198.5	194.7	191.0	187.2	183.5	181.6	181.6	181.6	181.6	181.6
102.5°	242.8	240.0	238.1	236.2	234.3	232.4	230.8	229.7	228.5	227.4	226.2
105°	311.8	310.0	308.3	306.6	304.8	303.1	301.5	300.1	298.6	297.2	295.8
107.5°	385.9	385.0	383.7	382.3	381.0	379.7	378.3	376.9	375.4	374.0	372.5
110°	436.7	435.8	435.0	434.1	433.3	432.4	431.2	429.8	428.4	426.9	425.5



TEST NUMBER: P333449

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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	488.1	487.7	486.6	485.5	484.4	483.4	482.4	481.7	480.9	480.2	479.4
115°	566.6	566.9	566.3	565.7	565.1	564.6	563.7	562.5	561.4	560.2	559.1
117.5°	643.9	643.7	643.1	642.6	642.1	641.6	641.1	640.5	640.0	639.5	639.0
120°	696.6	696.6	696.3	696.0	695.7	695.4	694.6	693.1	691.7	690.2	688.8
122.5°	748.2	748.5	747.7	747.0	746.2	745.5	744.8	744.3	743.8	743.3	742.8
125°	824.4	825.0	824.7	824.4	824.1	823.8	822.8	821.1	819.4	817.6	815.9
127.5°	899.4	899.7	899.4	899.0	898.7	898.3	897.7	896.7	895.7	894.7	893.7
130°	949.2	949.5	948.9	948.4	947.8	947.2	946.2	944.8	943.3	941.9	940.4
132.5°	997.0	997.3	997.4	997.5	997.6	997.7	996.6	994.2	991.9	989.5	987.1
135°	1070.2	1070.2	1069.9	1069.6	1069.3	1069.0	1068.0	1066.3	1064.5	1062.8	1061.1
137.5°	1141.3	1141.0	1140.4	1139.7	1139.1	1138.4	1137.3	1135.6	1134.0	1132.3	1130.6
140°	1186.2	1185.6	1184.7	1183.9	1183.0	1182.1	1181.0	1179.6	1178.1	1176.7	1175.2
142.5°	1230.6	1230.2	1229.1	1228.0	1226.9	1225.8	1224.7	1223.5	1222.3	1221.1	1219.9
145°	1294.6	1294.6	1293.7	1292.8	1292.0	1291.1	1290.1	1288.9	1287.8	1286.6	1285.5
147.5°	1352.9	1352.2	1351.5	1350.8	1350.1	1349.4	1348.7	1348.1	1347.5	1346.8	1346.2
150°	1390.6	1390.6	1389.4	1388.3	1387.1	1385.9	1385.5	1385.8	1386.1	1386.4	1386.7
152.5°	1424.5	1423.8	1423.3	1422.8	1422.4	1421.9	1421.5	1421.1	1420.7	1420.3	1419.9
155°	1473.4	1472.3	1472.0	1471.7	1471.4	1471.1	1471.0	1471.0	1471.0	1471.0	1471.0
157.5°	1516.2	1515.1	1514.8	1514.5	1514.2	1513.9	1514.1	1514.7	1515.4	1516.0	1516.6
160°	1542.2	1541.0	1540.7	1540.5	1540.2	1539.9	1540.2	1541.0	1541.9	1542.8	1543.6
162.5°	1566.3	1564.9	1564.8	1564.8	1564.7	1564.7	1565.0	1565.6	1566.2	1566.9	1567.5
165°	1599.3	1598.1	1597.8	1597.5	1597.2	1597.0	1597.1	1597.7	1598.2	1598.8	1599.4
167.5°	1622.9	1621.2	1621.2	1621.2	1621.2	1621.2	1621.8	1622.9	1624.1	1625.2	1626.4
170°	1637.5	1635.7	1635.7	1635.7	1635.7	1635.7	1636.3	1637.5	1638.6	1639.8	1640.9
172.5°	1647.8	1646.1	1646.1	1646.1	1646.1	1646.1	1646.7	1647.8	1649.0	1650.1	1651.3
175°	1659.5	1657.8	1657.8	1657.8	1657.8	1657.8	1658.4	1659.5	1660.7	1661.8	1663.0
177.5°	1665.1	1663.7	1664.0	1664.2	1664.4	1664.7	1665.2	1666.2	1667.1	1668.0	1668.9
180°	1666.9	1666.9	1666.9	1666.9	1666.9	1666.9	1666.9	1666.9	1666.9	1666.9	1666.9



TEST NUMBER: P333449

CATALOG NUMBER: S125DIW-S1090D1340U835-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1590.2	1590.2	1590.2	1590.2	1590.2	1590.2	1590.2	1590.2	1590.2	1590.2	1590.2
2.5°	1598.8	1606.4	1611.2	1620.4	1628.0	1632.3	1636.1	1639.3	1643.1	1646.3	1655.5
5°	1609.1	1626.6	1641.5	1664.4	1685.4	1701.6	1719.1	1734.6	1747.4	1765.7	1779.8
7.5°	1604.6	1635.8	1668.5	1704.0	1740.3	1774.0	1805.1	1834.1	1860.4	1892.3	1920.2
10°	1600.3	1642.8	1684.7	1732.6	1781.9	1823.7	1862.9	1902.7	1931.7	1972.2	2006.6
12.5°	1597.1	1647.1	1697.6	1755.3	1809.4	1868.5	1920.6	1949.7	1993.8	2026.2	2067.1
15°	1583.4	1649.6	1719.1	1783.9	1860.8	1915.5	1961.4	2018.1	2059.3	2100.4	2145.0
17.5°	1559.0	1633.9	1711.7	1796.6	1870.4	1929.1	1988.3	2042.9	2092.1	2147.3	2202.8
20°	1547.7	1622.6	1711.7	1798.7	1871.0	1932.4	1993.1	2053.2	2107.2	2178.1	2242.2
22.5°	1523.9	1614.5	1696.6	1781.5	1855.8	1922.7	1991.5	2059.7	2131.5	2211.5	2291.9
25°	1481.5	1573.3	1660.4	1744.1	1819.0	1902.7	1976.3	2067.4	2159.2	2265.1	2365.0
27.5°	1437.5	1525.4	1605.2	1686.0	1773.4	1868.1	1963.6	2067.0	2187.1	2320.9	2461.8
30°	1401.9	1484.9	1562.5	1645.5	1736.6	1843.3	1947.9	2070.7	2209.8	2360.3	2527.7
32.5°	1360.3	1436.8	1512.3	1600.2	1699.4	1812.0	1933.9	2068.6	2235.7	2406.7	2579.0
35°	1289.2	1353.3	1430.9	1524.7	1636.8	1765.7	1906.7	2066.0	2257.7	2454.1	2599.2
37.5°	1204.8	1264.5	1346.3	1449.1	1566.6	1704.9	1872.3	2061.3	2264.9	2421.5	2468.3
40°	1148.1	1203.4	1288.5	1395.1	1515.3	1661.7	1845.3	2045.1	2242.2	2342.1	2303.6
42.5°	1087.6	1145.7	1228.5	1334.1	1463.4	1622.9	1811.3	2011.1	2176.3	2214.1	2081.1
45°	992.2	1052.2	1133.9	1240.6	1379.6	1552.4	1748.8	1930.4	2025.5	1957.4	1751.5
47.5°	903.5	959.8	1035.5	1145.5	1289.0	1467.7	1656.9	1801.7	1809.3	1646.6	1426.7
50°	843.0	895.0	971.3	1081.3	1223.7	1404.6	1575.3	1689.4	1638.1	1453.8	1242.6
52.5°	783.6	834.5	909.7	1018.6	1159.4	1325.2	1484.1	1564.1	1467.5	1278.4	1097.9
55°	697.9	742.4	816.0	916.6	1050.2	1204.1	1339.1	1366.8	1241.2	1054.9	908.5
57.5°	614.2	655.8	722.7	815.3	937.5	1073.8	1179.4	1173.5	1040.8	880.9	764.7
60°	557.5	598.0	657.4	747.8	859.2	976.7	1067.1	1045.5	913.9	776.2	678.3
62.5°	506.8	542.9	599.1	678.2	779.8	888.6	962.9	931.0	802.1	681.7	604.4
65°	432.0	462.3	510.3	577.8	662.1	751.9	809.3	768.1	658.1	564.3	502.2
67.5°	360.6	384.9	425.1	478.9	550.9	623.0	657.9	616.5	528.5	460.0	414.0
70°	315.2	336.8	367.8	415.8	478.5	539.3	565.6	528.5	452.9	394.2	361.1
72.5°	269.8	287.7	314.9	358.0	408.3	461.0	484.1	448.6	386.5	336.9	306.0
75°	208.6	220.7	239.6	269.3	309.1	351.0	363.8	332.8	292.9	255.8	235.6
77.5°	149.3	159.6	173.9	192.6	220.8	247.4	258.6	240.7	209.9	186.4	169.8
80°	114.7	120.1	132.3	147.8	170.1	187.0	194.4	182.9	161.3	143.8	130.9
82.5°	81.8	87.2	94.5	107.3	121.5	133.0	140.9	133.2	117.6	103.8	96.4
85°	39.8	43.2	47.2	52.6	63.4	70.2	69.5	64.8	58.7	53.3	49.3
87.5°	14.8	15.8	17.8	21.0	23.1	25.6	27.1	26.4	24.7	23.3	22.0
90°	3.6	5.9	8.2	10.5	12.7	14.7	16.7	18.7	20.8	22.2	23.6
92.5°	33.0	34.6	36.2	37.8	39.9	42.4	44.9	47.3	49.8	51.7	53.6
95°	84.9	85.5	86.0	86.6	88.4	91.2	94.1	97.0	99.9	101.9	103.9
97.5°	140.3	140.6	140.8	141.0	143.1	147.1	151.1	155.1	159.0	160.9	162.8
100°	181.6	181.6	181.6	181.6	183.5	187.2	191.0	194.7	198.5	201.1	203.7
102.5°	227.4	228.5	229.7	230.8	232.4	234.3	236.2	238.1	240.0	242.8	245.6
105°	297.2	298.6	300.1	301.5	303.1	304.8	306.6	308.3	310.0	311.8	313.5
107.5°	374.0	375.4	376.9	378.3	379.7	381.0	382.3	383.7	385.0	385.9	386.7
110°	426.9	428.4	429.8	431.2	432.4	433.3	434.1	435.0	435.8	436.7	437.6





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	480.2	480.9	481.7	482.4	483.4	484.4	485.5	486.6	487.7	488.1	488.5
115°	560.2	561.4	562.5	563.7	564.6	565.1	565.7	566.3	566.9	566.6	566.3
117.5°	639.5	640.0	640.5	641.1	641.6	642.1	642.6	643.1	643.7	643.9	644.1
120°	690.2	691.7	693.1	694.6	695.4	695.7	696.0	696.3	696.6	696.6	696.6
122.5°	743.3	743.8	744.3	744.8	745.5	746.2	747.0	747.7	748.5	748.2	748.0
125°	817.6	819.4	821.1	822.8	823.8	824.1	824.4	824.7	825.0	824.4	823.8
127.5°	894.7	895.7	896.7	897.7	898.3	898.7	899.0	899.4	899.7	899.4	899.1
130°	941.9	943.3	944.8	946.2	947.2	947.8	948.4	948.9	949.5	949.2	948.9
132.5°	989.5	991.9	994.2	996.6	997.7	997.6	997.5	997.4	997.3	997.0	996.7
135°	1062.8	1064.5	1066.3	1068.0	1069.0	1069.3	1069.6	1069.9	1070.2	1070.2	1070.2
137.5°	1132.3	1134.0	1135.6	1137.3	1138.4	1139.1	1139.7	1140.4	1141.0	1141.3	1141.7
140°	1176.7	1178.1	1179.6	1181.0	1182.1	1183.0	1183.9	1184.7	1185.6	1186.2	1186.8
142.5°	1221.1	1222.3	1223.5	1224.7	1225.8	1226.9	1228.0	1229.1	1230.2	1230.6	1230.9
145°	1286.6	1287.8	1288.9	1290.1	1291.1	1292.0	1292.8	1293.7	1294.6	1294.6	1294.6
147.5°	1346.8	1347.5	1348.1	1348.7	1349.4	1350.1	1350.8	1351.5	1352.2	1352.9	1353.5
150°	1386.4	1386.1	1385.8	1385.5	1385.9	1387.1	1388.3	1389.4	1390.6	1390.6	1390.6
152.5°	1420.3	1420.7	1421.1	1421.5	1421.9	1422.4	1422.8	1423.3	1423.8	1424.5	1425.1
155°	1471.0	1471.0	1471.0	1471.0	1471.1	1471.4	1471.7	1472.0	1472.3	1473.4	1474.6
157.5°	1516.0	1515.4	1514.7	1514.1	1513.9	1514.2	1514.5	1514.8	1515.1	1516.2	1517.4
160°	1542.8	1541.9	1541.0	1540.2	1539.9	1540.2	1540.5	1540.7	1541.0	1542.2	1543.3
162.5°	1566.9	1566.2	1565.6	1565.0	1564.7	1564.7	1564.8	1564.8	1564.9	1566.3	1567.7
165°	1598.8	1598.2	1597.7	1597.1	1597.0	1597.2	1597.5	1597.8	1598.1	1599.3	1600.4
167.5°	1625.2	1624.1	1622.9	1621.8	1621.2	1621.2	1621.2	1621.2	1621.2	1622.9	1624.7
170°	1639.8	1638.6	1637.5	1636.3	1635.7	1635.7	1635.7	1635.7	1635.7	1637.5	1639.2
172.5°	1650.1	1649.0	1647.8	1646.7	1646.1	1646.1	1646.1	1646.1	1646.1	1647.8	1649.6
175°	1661.8	1660.7	1659.5	1658.4	1657.8	1657.8	1657.8	1657.8	1657.8	1659.5	1661.2
177.5°	1668.0	1667.1	1666.2	1665.2	1664.7	1664.4	1664.2	1664.0	1663.7	1665.1	1666.5
180°	1666.9	1666.9	1666.9	1666.9	1666.9	1666.9	1666.9	1666.9	1666.9	1666.9	1666.9



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	1590.2	1590.2	1590.2	1590.2	1590.2	1590.2	1590.2
2.5°	1663.1	1667.4	1676.6	1673.3	1677.7	1679.8	1682.0
5°	1797.4	1819.0	1828.4	1827.1	1841.3	1837.9	1834.5
7.5°	1949.1	1971.8	1984.5	2000.3	2009.5	2010.1	2018.1
10°	2035.0	2064.7	2076.8	2093.7	2104.5	2110.6	2109.9
12.5°	2100.9	2124.1	2151.3	2159.6	2174.2	2181.8	2179.0
15°	2180.1	2217.2	2245.6	2259.7	2278.0	2283.4	2290.8
17.5°	2250.8	2300.6	2333.7	2377.7	2394.3	2404.4	2398.5
20°	2304.3	2369.8	2402.8	2455.5	2484.5	2500.0	2494.6
22.5°	2367.5	2438.3	2499.5	2545.1	2589.2	2610.2	2614.5
25°	2475.7	2572.9	2662.7	2722.8	2777.4	2790.2	2818.6
27.5°	2596.7	2711.3	2807.3	2870.4	2908.5	2922.8	2931.7
30°	2672.8	2786.9	2859.1	2899.6	2911.7	2910.4	2909.0
32.5°	2710.1	2781.5	2795.4	2784.0	2756.2	2732.7	2708.2
35°	2657.3	2604.0	2524.3	2421.7	2346.1	2269.9	2262.4
37.5°	2389.9	2219.4	2086.8	1938.7	1853.3	1800.5	1764.1
40°	2138.2	1944.5	1783.9	1659.0	1572.0	1537.5	1503.8
42.5°	1865.0	1680.0	1537.7	1433.3	1367.9	1329.7	1302.9
45°	1515.3	1351.9	1240.6	1165.0	1113.0	1083.3	1066.4
47.5°	1241.6	1120.8	1026.2	971.7	935.8	912.7	912.8
50°	1094.8	979.4	916.6	873.4	842.3	824.1	827.5
52.5°	964.6	878.4	824.8	788.6	765.7	754.5	754.1
55°	806.6	744.5	709.4	683.1	667.5	654.7	657.4
57.5°	689.9	637.6	614.1	592.2	581.4	576.3	568.8
60°	617.6	577.1	556.8	539.3	528.5	524.4	517.0
62.5°	553.3	521.5	501.8	487.4	477.7	476.4	470.6
65°	465.0	440.7	423.2	416.4	406.3	403.6	403.6
67.5°	383.4	366.0	352.3	346.1	341.7	342.3	339.1
70°	332.1	317.9	309.1	302.4	299.0	299.7	297.0
72.5°	290.5	274.7	267.0	263.0	258.5	260.3	259.2
75°	220.0	211.9	207.9	203.8	201.1	199.8	198.4
77.5°	161.6	154.4	151.3	149.0	149.4	146.2	148.8
80°	124.9	118.8	116.8	113.4	112.7	112.7	112.0
82.5°	91.4	88.0	86.5	83.7	82.5	83.6	81.8
85°	47.2	44.5	43.9	43.9	42.5	41.2	44.5
87.5°	22.3	20.4	20.7	20.3	20.5	20.1	19.2
90°	25.1	26.5	27.7	28.5	29.4	30.3	31.1
92.5°	55.5	57.4	58.7	59.3	60.0	60.6	61.2
95°	105.9	108.0	109.2	109.8	110.4	111.0	111.6
97.5°	164.7	166.6	167.8	168.1	168.5	168.8	169.2
100°	206.2	208.8	210.4	211.0	211.6	212.2	212.7
102.5°	248.4	251.3	253.1	253.9	254.7	255.5	256.3
105°	315.2	316.9	318.2	319.1	320.0	320.8	321.7
107.5°	387.6	388.5	388.9	388.8	388.7	388.7	388.6
110°	438.4	439.3	439.6	439.3	439.0	438.7	438.4



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	488.9	489.3	489.3	488.8	488.3	487.7	487.2
115°	566.0	565.7	565.4	565.1	564.8	564.6	564.3
117.5°	644.3	644.6	644.1	643.0	641.8	640.7	639.5
120°	696.6	696.6	696.0	694.8	693.7	692.5	691.4
122.5°	747.8	747.5	747.0	746.0	745.1	744.2	743.3
125°	823.3	822.7	822.3	822.0	821.7	821.4	821.1
127.5°	898.8	898.6	898.1	897.6	897.0	896.4	895.8
130°	948.7	948.4	947.9	947.4	946.8	946.2	945.6
132.5°	996.4	996.1	995.6	994.8	993.9	993.1	992.3
135°	1070.2	1070.2	1069.6	1068.4	1067.3	1066.1	1065.0
137.5°	1142.0	1142.4	1141.8	1140.4	1138.9	1137.5	1136.1
140°	1187.3	1187.9	1187.5	1186.0	1184.6	1183.2	1181.7
142.5°	1231.3	1231.6	1231.1	1229.6	1228.2	1226.7	1225.3
145°	1294.6	1294.6	1294.1	1293.3	1292.4	1291.5	1290.7
147.5°	1354.2	1354.9	1354.3	1352.3	1350.4	1348.4	1346.5
150°	1390.6	1390.6	1390.3	1389.7	1389.1	1388.5	1388.0
152.5°	1425.8	1426.5	1426.4	1425.3	1424.3	1423.2	1422.2
155°	1475.7	1476.9	1476.7	1475.3	1473.9	1472.4	1471.0
157.5°	1518.5	1519.7	1519.3	1517.4	1515.5	1513.6	1511.7
160°	1544.5	1545.6	1545.5	1544.1	1542.6	1541.2	1539.7
162.5°	1569.0	1570.4	1570.3	1568.6	1566.9	1565.3	1563.6
165°	1601.6	1602.7	1602.4	1600.7	1599.0	1597.2	1595.5
167.5°	1626.4	1628.1	1628.1	1626.3	1624.5	1622.7	1620.9
170°	1640.9	1642.6	1642.5	1640.5	1638.5	1636.4	1634.4
172.5°	1651.3	1653.0	1653.0	1651.2	1649.4	1647.6	1645.8
175°	1663.0	1664.7	1664.5	1662.5	1660.5	1658.5	1656.5
177.5°	1667.9	1669.3	1669.2	1667.5	1665.9	1664.3	1662.7
180°	1666.9	1666.9	1666.9	1666.9	1666.9	1666.9	1666.9

(END OF REPORT)